Effects of NRCS Conservation Practices - National							
Irrigation System, Tailwater Recovery							
		or the collection, storage, and transportation of irrigation tailwater and/or Units: no. - Frange and transportation of irrigation tailwater and/or Units: no Frange eveloped at the collection of the collection of transportation of transportation of transportation tailwater and/or Units: no.					
Coll Exercise	<b>Effect</b>	Typical Landuse: C F R P Pr FS D W O AL					
<u>Soil Erosion</u> Soil Erosion - Sheet and Rill Erosion	<u>Effect</u> 0	<u>Rationale</u> Not Applicable					
Soil Erosion - Wind Erosion	0	Not Applicable					
Soil Erosion - Ephemeral Gully Erosion	1	Tailwater is safely conveyed to a recovery site, therefore reducing concentrated flow.					
Soil Erosion - Classic Gully Erosion	1	Tailwater is eliminated from gully.					
Soil Erosion - Streambank, Shoreline, Water Conveyance C	1	Tailwater is eliminated from over land flow.					
<u>Soil Quality Degradation</u> Organic Matter Depletion	0	Not Applicable					
Compaction	-1	Increased soil moisture in the profile may result in increased compaction during field operations.					
Subsidence	0	Not Applicable					
Concentration of Salts or Other Chemicals	-1	Reuse of contaminated water increases salts in the profile.					
<u>Excess Water</u> Excess Water - Seeps	-1	Possible seepage from pit.					
Excess Water - Runoff, Flooding, or Ponding	1	Recovery and storage of tailwater eliminates runoff and ponding.					
Excess Water - Seasonal High Water Table	-1	Seepage from pit.					
Excess Water - Drifted Snow	0	Not Applicable					
Insufficient Water Insufficient Water - Inefficient Use of Irrigation Water	2	Storage and reuse can increases available water.					
Insufficient Water - Inefficient Moisture Management	0	Not Applicable					
<u>Water Quality Degradation</u> Pesticides in Surface Water	2	The action retains pesticide residues for degradation.					
Pesticides in Groundwater	2	Seepage that may contain pesticide residues is controlled .					
Nutrients in Surface water	2	The action traps nutrients and organics.					
Nutrients in Groundwater	-1	Nutrients impounded could contaminate groundwater.					
Salts in Surface Water	1	The infiltration that occurs in the tailwater pond will reduce the amount of salt leaving the field.					
Salts in Groundwater	-1	The action results in water reuse, which concentrates the contaminants in water that infiltrates.					
Excess Pathogens and Chemicals from Manure, Bio-solic	1	Because of reduced sediment yields and runoff					
Excess Pathogens and Chemicals from Manure, Bio-solic	0	The action reuses irrigation water that may have higher levels of pathogens.					

Excessive Sediment in Surface Water	1	Sediment is trapped as water velocity is reduced.	
Elevated Water Temperature	0	Warm surface irrigation water is re-used rather than discharged to stream	is or
Petroleum, Heavy Metals and Other Pollutants Transporte	4	The action captures irrigation runoff and associated metal-laden sediment	it.
Petroleum, Heavy Metals and Other Pollutants Transporte	-1	The action reuses irrigation water that may have higher levels of heavy me	etals
<u>Air Quality Impacts</u> Emissions of Particulate Matter (PM) and PM Precursors	0	Not Applicable	
Emissions of Ozone Precursors	0	Not Applicable	
Emissions of Greenhouse Gases (GHGs)	0	Not Applicable	
Objectionable Odors	0	Not Applicable	
De sure de  d Dieux ( Os restitions			
<u>Degraded Plant Condition</u> Undesirable Plant Productivity and Health	2	Increased water availability and managed application enhances plant grov	wth,
Inadequate Structure and Composition	0	Not Applicable	
Excessive Plant Pest Pressure	0	Not Applicable	
Wildfire Hazard, Excessive Biomass Accumulation	0	Not Applicable	
Fish and Wildlife Inclasure Habitat			
<u>Fish and Wildlife - Inadequate Habitat</u> Inadequate Habitat - Food	0	Not Applicable	
Inadequate Habitat - Cover/Shelter	0	Not Applicable	
Inadequate Habitat - Water	0	Water is temporarily provided during the irrigation season.	
Inadequate Habitat - Habitat Continuity (Space)	0	Not Applicable	
Livestock Production Limitation			
Inadequate Feed and Forage	0	Not Applicable	
Inadequate Shelter	0	Not Applicable	
Inadequate Water	0	Not Applicable	
Inefficient Energy Use			
Equipment and Facilities	0	Not Applicable	
Farming/Ranching Practices and Field Operations	2	Reuse of tailwater runoff will result in reduced energy use for pumping.	
		CPPE Practice Effects:	
		5 Substantial Improvement	
		4 Moderate to Substantial Improve	ement
		· 3 Moderate Improvement	
		2 Slight to Moderate Improvement	t
		1 Slight Improvement	

or other water bodies.

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h, health and vigor.

	0 No Effect
	-1 Slight Worsening
ent	-2 Slight to Moderate Worsening
	-3 Moderate Worsening
	-4 Moderate to Substantial Worsening
	-5 Substantial Worsening